

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,138,349 B2
APPLICATION NO. : 10/733303
DATED : November 21, 2006
INVENTOR(S) : Susumu Uehara, Koji Shimizu and Shinya Mashiko

Page 1 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On title page Item [57]

In the Abstract:

Line, 1	replace "(n _d)" with --(n _d)--
Line, 2	replace "(v _d)" with --(v _d)--
Line, 4	replace "(n _d =1.835, v _d =46.5)" with --(n _d =1.835, v _d =46.5)--
Line, 4	replace "B (n _d =1.90, v _d =40.0)," with --B (n _d =1.90, v _d =40.0),--
Line, 4	replace "point C," with --point C--
Line, 5	replace "(n _d =1.90, v _d =35.0)" with --(n _d =1.90, v _d =35.0)--
Line, 5	replace "D (n _d =1.835, v _d =38.0)" with --D (n _d =1.835, v _d =38.0)--
Line, 8	replace "(v _d)" with --(v _d)--
Line, 8	replace "(n _d)" with --(n _d)--
Line, 12	replace "(n _d)" with --(n _d)--
Line, 12	replace "(v _d)" with --(v _d)--
Line, 15	replace "C.," with --C,--
Column 1, line 38	replace "perform" with --preform--
Column 2, line 4	delete "to"
Column 2, line 13	replace "C." with --C--
Column 2, line 15	replace "C." with --C--
Column 2, line 17	replace "C." with --C--
Column 2, line 27	replace "(n _d)" with --(n _d)--

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Column 2, line 27	replace “(v _d)” with --(v _d)--
Column 2, line 31	replace “(n _d)” with --(n _d)--
Column 2, line 32	replace “(v _d)” with --(v _d)--
Column 2, line 33	replace “A (n _d =1.835, v _d =46.5)” with --A (n _d =1.835, v _d =46.5)--
Column 2, line 34	replace “B (n _d =1.90, v _d =40.0),” with --B (n _d =1.90, v _d =40.0),--
Column 2, line 34	replace “point C,” with --point C--
Column 2, line 34	replace “(n _d =1.90, v _d =35.0)” with --(n _d =1.90, v _d =35.0)--
Column 2, line 35	replace “D (n _d =1.835, v _d =38.0)” with --D (n _d =1.835, v _d =38.0)--
Column 2, line 42	replace “(n _d)” with --(n _d)--
Column 2, line 44	replace “(v _d)” with --(v _d)--
Column 2, line 51	delete “has”
Column 2, line 62	replace “reason,” with --reasons,--
Column 4, line 3	replace “does not” with --is not--
Column 5, line 4	replace “inventors has” with --inventors have--
Column 5, line 11	replace “inventor has” with --inventors have--
Column 5, line 14	replace “(n _d)” with --(n _d)--
Column 5, line 14	replace “(v _d)” with --(v _d)--
Column 5, line 16	replace “A (n _d =1.835, v _d =46.5)” with --A (n _d =1.835, v _d =46.5)--
Column 5, lines 16-17	replace “B (n _d =1.90, v _d =40.0),” with --B (n _d =1.90, v _d =40.0),--
Column 5, line 17	replace “point (C, n _d =1.90, v _d =35.0)” with --point C (n _d =1.90, v _d =35.0)--

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Column 5, line 18	replace " $(n_d=1.835, v_d=38.0)$ " with $--(n_d=1.835, v_d=38.0)--$
Column 5, line 20	replace " (v_d) " with $--(v_d)--$
Column 5, line 21	replace " (n_d) " with $--(n_d)--$
Column 5, line 41	replace "0.1 to 1 mass %" with $--0$ to 1 mass % $--$
Column 5, line 42	replace "1 to 6 mass %" with $--0.1$ to 6 mass % $--$
Column 5, line 55	replace " (n_d) " with $--(n_d)--$
Column 5, line 57	replace " (n_d) " with $--(n_d)--$
Column 5, line 59	replace " (n_d) " with $--(n_d)--$
Column 5, line 61	replace " (v_d) " with $--(v_d)--$
Column 5, line 63	replace " (v_d) " with $--(v_d)--$
Column 5, line 65	replace "C." with $--C--$
Column 5, line 67	replace "C." with $--C--$
Column 6, line 2	replace " (n_d) " with $--(n_d)--$
Column 6, line 3	replace " (v_d) " with $--(v_d)--$
Column 6, line 4-5	replace "A ($n_d=1.835, v_d=46.5$)" with $--A (n_d=1.835, v_d=46.5)--$
Column 6, line 5	replace "B ($n_d=1.90, v_d=40.0$)," with $--B (n_d=1.90, v_d=40.0),--$
Column 6, line 5-6	replace "point C, ($n_d=1.90, v_d=35.0$)" with $--point C (n_d=1.90, v_d=35.0)--$
Column 6, line 6	replace "D ($n_d=1.835, v_d=38.0$)" with $--D (n_d=1.835, v_d=38.0)--$
Column 6, line 9	replace " (v_d) " with $--(v_d)--$
Column 6, line 9	replace " (n_d) " with $--(n_d)--$

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Column 6, line 46	replace "(n _d)" with --(n _d)--
Column 6, line 48	replace "(n _d)" with --(n _d)--
Column 6, line 50	replace "(n _d)" with --(n _d)--
Column 6, line 53	replace "(v _d)" with --(v _d)--
Column 6, line 55	replace "(v _d)" with --(v _d)--
Column 6, line 57	replace "C." with --C--
Column 6, line 59	replace "C." with --C--
Column 6, line 64	replace "(v _d)" with --(v _d)--
Column 6, line 64	replace "(n _d)," with --(n _d),--
Column 6, line 66	replace "(v _d)" with --(v _d)--
Column 6, line 66	replace "(n _d)" with --(n _d)--
Column 9, line 4	replace "2%" with --2%--
Column 9, line 5	insert tab at beginning of line to start new paragraph
Column 9, line 49	replace "(T _g)," with --(T _g), and--
Column 9, line 51	replace "inventors has" with --inventors have--
Column 9, line 64	replace "become" with --becomes--
Column 10, line 45	replace "(n _d)," with --(n _d),--
Column 10, line 46	replace "(v _d)" with --(v _d)--
Column 10, line 50	replace "(n _d)," with --(n _d),--
Column 10, line 50	replace "(v _d)" with --(v _d)--

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Column 11, line 21	replace "C." with --C--
Column 11, line 49	replace "C." with --C--
Column 12, line 18	replace "C." with --C--
Column 12, line 41	replace "C." with --C--
Column 12, line 65	replace "C." with --C--
Column 13, line 24	replace "C." with --C--
Column 13, line 46	replace "F ₂ " with --F--
Column 13, line 49	replace "C." with --C--
Column 14, line 11	replace "C." with --C--
Column 14, line 19	replace "to be the composition" with --to the composition--
Column 14, line 22	replace "1200 °C. to 1400°C." with --1200° C to 1400° C--
Column 14, line 55	replace "(n _d)" with --(n _d)--
Column 14, line 56	replace "(v _d)" with --(v _d)--
Column 15, line 12	replace "C." with --C--
Column 15, line 17	replace "in a electric" with --in an electric--
Column 15, line 20	replace "C.," with --C,--
Column 15, line 20	replace "2hours" with --2 hours--
Column 15, line 29	replace "mol % mass" with --mol % to mass %--
Column 15, line 63	replace "C." with --C--
Column 15, line 65	replace "C." with --C--

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Column 15, line 67	replace "C." with --C--
Claim 1 Column 16, line 7	replace " (n_d) " with -- (n_d) --
Claim 1 Column 16, line 7	replace " (v_d) " with -- (v_d) --
Claim 1 Column 16, line 9	replace " $A (n_d=1.835, v_d=46.5)$ " with -- $A (n_d=1.835, v_d=46.5)$ --
Claim 1 Column 16, line 10	replace " $B (n_d=1.90, v_d=40.0)$," with -- $B (n_d=1.90, v_d=40.0)$ --
Claim 1 Column 16, line 10	replace " $(n_d=1.90, v_d=35.0)$ " with -- $(n_d=1.90, v_d=35.0)$ --
Claim 1 Column 16, line 10	replace "point C," with --point C--
Claim 1 Column 16, line 11	replace " $D (n_d=1.835, v_d=38.0)$ " with -- $D (n_d=1.835, v_d=38.0)$ --
Claim 1 Column 16, line 14	replace " (v_d) " with -- (v_d) --
Claim 1 Column 16, line 14	replace " (n_d) " with -- (n_d) --
Claim 1 Column 16, line 36	replace "in a the total" with --in a total--
Claim 1 Column 16, line 14	replace " (v_d) " with -- (v_d) --
Claim 1 Column 16, line 14	replace " (n_d) " with -- (n_d) --
Claim 1 Column 16, line 14	replace " (v_d) " with -- (v_d) --
Claim 1 Column 16, line 14	replace " (n_d) " with -- (n_d) --
Claim 1 Column 16, line 36	replace " (v_d) " with -- (v_d) --
Claim 9 Column 17, line 20	replace "C." with --C--
Claim 10 Column 17, line 22	replace "C." with --C--

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- Claim 12 Column 17, line 26 replace “(v_d)” with --(v_d)--
- Claim 13 Column 17, line 28 replace “(n_d)” with --(n_d)--
- Claim 14 Column 17, line 30 replace “(v_d)” with --(v_d)--
- Claim 15 Column 17, line 31 replace “having,” with --having:--
- Claim 15 Column 17, line 32 replace “(n_d)” with --(n_d)--
- Claim 15 Column 17, line 32 replace “(v_d)” with --(v_d)--
- Claim 15 Column 17, line 34 replace “A (n_d=1.835, v_d=46.5)” with --A (n_d=1.835, v_d=46.5)--
- Claim 15 Column 17, line 35 replace “B (n_d=1.90, v_d=40.0),” with --B (n_d=1.90, v_d=40.0),--
- Claim 15 Column 17, line 35 replace “point C,” with --point C--
- Claim 15 Column 17, line 35 replace “(n_d=1.90, v_d=35.0)” with --(n_d=1.90, v_d=35.0)--
- Claim 15 Column 17, line 36 replace “D (n_d=1.835, v_d=38.0)” with --D (n_d=1.835, v_d=38.0)--
- Claim 15 Column 17, line 38 replace “X-axis the” with --X-axis is the--
- Claim 15 Column 17, line 39 replace “(v_d)” with --(v_d)--
- Claim 15 Column 17, line 39 replace “(n_d),” with --(n_d),--
- Claim 15 Column 17, line 40 replace “border line,” with --border lines--
- Claim 15 Column 18, line 1 replace “is more” with --is more than 10--
- Claim 18 Column 18, line 28 replace “(n_d)” with --(n_d)--
- Claim 19 Column 18, line 30 replace “(n_d)” with --(n_d)--
- Claim 21 Column 18, line 33 replace “(n_d)” with --(n_d)--

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Claim 21 Column 18, line 34 replace "(v_d)" with --(v_d)--
Claim 22 Column 18, line 36 replace "(v_d)" with --(v_d)--
Claim 23 Column 18, line 38 replace "C." with --C--
Claim 24 Column 18, line 40 replace "C." with --C--
Claim 26 Column 18, line 44 replace "(v_d)" with --(v_d)--
Claim 27 Column 18, line 46 replace "(n_d)" with --(n_d)--
Claim 28 Column 18, line 48 replace "(v_d)" with --(v_d)--

Signed and Sealed this

Seventeenth Day of April, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas", is written over a rectangular area with a light gray grid pattern.

JON W. DUDAS
Director of the United States Patent and Trademark Office